

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A vacuum suction system, comprising  
a vacuum leak generation part,  
a vacuum generation mechanism connected to the vacuum leak generation part, and  
a vacuum level adjustment mechanism connected to the vacuum leak generation part,  
including a negative pressure sensor to detect a vacuum level of the vacuum leak generation  
part, and an adjustment part to adjust the vacuum level of the vacuum leak generation part  
based on a signal from the negative pressure sensor,

wherein the vacuum leak generation part includes a table base disposed on a side of  
the vacuum generation mechanism, a vacuum suction channel, a conveyor table rotatably  
mounted on the table base, and a plurality of work receiving-opening openings for receiving  
a work works,

the work each work receiving opening being connected to the vacuum suction  
channel, through a minute sectional suction channel provided on the conveyor table, the  
sectional area of the minute sectional channel being smaller than that of the vacuum suction  
channel,

the negative pressure sensor detecting the vacuum level of the work receiving-opening  
openings of the conveyor table, and

the adjustment part adjusting the vacuum level of the work receiving-opening openings,

wherein the vacuum level adjustment mechanism includes a compressed air generation source for generating a compressed air,

wherein the adjustment part is adapted to jet out the compressed air from the compressed air generation source to the vacuum leak generation part based on the signal from the negative pressure sensor, and

wherein the adjustment part jets out the compressed air based on the signal from the negative pressure sensor when the vacuum level rises above a maximum level, and stops the compressed air when the vacuum level falls below a minimum level,

the maximum level being determined by an increased work load rate, and

the minimum level being determined by a decreased work load rate.

2-6. (Cancelled)

7. (Currently Amended) A method of controlling a vacuum suction system, comprising

a vacuum leak generation part,

a vacuum generation mechanism connected to the vacuum leak generation part, and

a vacuum level adjustment mechanism connected to the vacuum leak generation part for adjusting a vacuum level of the vacuum leakage generation part, and including a negative

pressure sensor to detect the vacuum level of the vacuum leak generation part, a compressed air generation source, and an adjustment part,

wherein the vacuum leak generation part includes a table base disposed on a side of the vacuum generation mechanism, a vacuum suction channel, a conveyor table rotatably mounted on the table base, and a plurality of work receiving opening-openings for receiving ~~a work~~ works,

~~the work~~ each work receiving opening being connected to the vacuum suction channel through a minute sectional suction channel provided on the conveyor table, the sectional area of the minute sectional channel being smaller than that of the vacuum suction channel,

the negative pressure sensor detecting the vacuum level of the work receiving ~~opening openings~~ of the conveyor table, and

the adjustment part adjusting the vacuum level of the work receiving ~~opening openings~~,

the method comprising the steps of:

generating a vacuum in the vacuum leakage generation part by the vacuum generation mechanism,

detecting the vacuum level of the vacuum leak generation part by the negative pressure sensor of the vacuum level adjustment mechanism, and

jetting out a compressed air from the compressed air generation source to the vacuum leak generation part by the adjustment part of the vacuum level adjustment mechanism based on a signal from the negative pressure sensor,

wherein the adjustment part jets out the compressed air based on the signal from the negative pressure sensor when the vacuum level rises above a maximum level, and stops the compressed air when the vacuum level falls below a minimum level,

the maximum level being determined by an increased work load rate, and the minimum level being determined by a decreased work load rate.

8. (Cancelled)

9. (Currently Amended) A method of controlling a vacuum suction system according to the method of ~~claim 8~~ claim 7, wherein,

the adjustment part jets out the compressed air intermittently based on the signal from the negative pressure sensor when the vacuum level rises above the maximum level.

10. (New) A vacuum suction system according to claim 1, wherein the vacuum level of the work openings is securely stabilized by an operation of the adjustment part regardless of the work load rate of the work receiving openings, the increased work load rate, or the increased work load rate.

11. (New) A vacuum suction system according to claim 1, wherein the minute sectional suction channel provides a pressure resistance.

12. (New) A method of controlling a vacuum suction system according to the method of claim 7, wherein the vacuum level of the work openings is securely stabilized by an operation of the adjustment part regardless of the work load rate of the work receiving openings, the increased work load rate, or the increased work load rate.

13. (New) A method of controlling a vacuum suction system according to the method of claim 7, wherein the minute sectional suction channel provides a pressure resistance.